



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

RISK ASSESSMENT IN TERMS OF REGULATION 8 OF THE WASTE EXCLUSION REGULATIONS

APPLICANT	Sappi Southern Africa Limited – Lomati Mill
WASTE STREAM OR PORTION OF A WASTE STREAM	Ash from Combustion
BENEFICIAL USE/S	Brickmaking
	Block making
WASTE GENERATING FACILITY	Sappi Lomati Mill
PHYSICAL ADDRESS OF FACILITY	Townlands, Barberton
GPS CO-ORDINATES OF WASTE GENERATING FACILITY	25°46'18.83" Latitude 31° 2'26.39" Longitude
CONTACT PERSON	
NAME	Christopher Scrimmenger

RISK ASSESSEMENT WITHOUT MITIGATION

Activity	Risk Description	Environmental receptors	Impact	Assessment of the risk				
				Probability	Magnitude	Duration	Scale	Significance
Storage	Accidental spillage into the environment	Soil	Soil contamination	3	4	3	1	24
		Surface water	Contamination transported to surface water	2	4	3	2	18
		Groundwater	Percolation into groundwater	2	4	3	2	18
Transportation	Leachate from stockpiled material during rainfall	Soil	Soil contamination	3	4	3	1	24
		Surface water	Contamination transported to surface water	2	4	3	2	18
	Groundwater	Percolation into groundwater	2	4	3	2	18	
	Air	Windblown ash	Deterioration of local air quality	3	4	2	2	24
	Air	Air borne ash	Deterioration of local air quality	3	4	2	2	24
Transportation	Accidental spillage into the environment	Soil	Soil contamination	3	4	3	2	27
		Surface water	Contamination transported to surface water	2	4	3	2	18

The following factors and criteria must be used to assess the impacts of the activities:

Criteria	
MAGNITUDE (Severity)	DURATION
5 - Very high	5 - Permanent (longer than 10 years)
4 - High	4 - Long-term (5 to 10 years)
3 - Moderate	3 - Medium-term (12 months to 5 years)
2 - Low	2 - Short-term (0 to 12 months)
1 - Minor	1 - Immediate
SCALE	PROBABILITY (Likelihood)
5 - International	5 - Certain
4 - National	4 - Highly probable
3 - Regional	3 - Medium probability
2 - Local	2 - Low probability
1 - Site only	1 - Improbable
0 - None	0 - None

Magnitude

Magnitude measures the size of the impact

Duration

Duration refers to the lifetime of the impact i.e. how long it will last

Scale

The scale refers to the extent of the impact

Probability

The probability refers to the chance of impact to occur. The potential impact could be most likely to occur, unlikely, etc.

I, DC Scriminger hereby declare that I have read the completed the Risk Assessment form and hereby confirm that the information is to the best of my knowledge true and correct.

Furthermore, I declare that I am fully aware of my responsibilities in terms of the Waste Exclusion Regulations, and that failure to comply with these Regulations may constitute an offence in terms of the National Environmental Management Waste Act, 2008 (Act 59 of 2008).

Applicant (Full names) Derrick David Christopher Scriminger

Designation: Risk Manager

Signature [Handwritten Signature]

Date 28/08/2018 Place Barboursville.

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Date Received		
Decision Taken	Authorised	Not Authorised(provide reasons)
Reference Number		